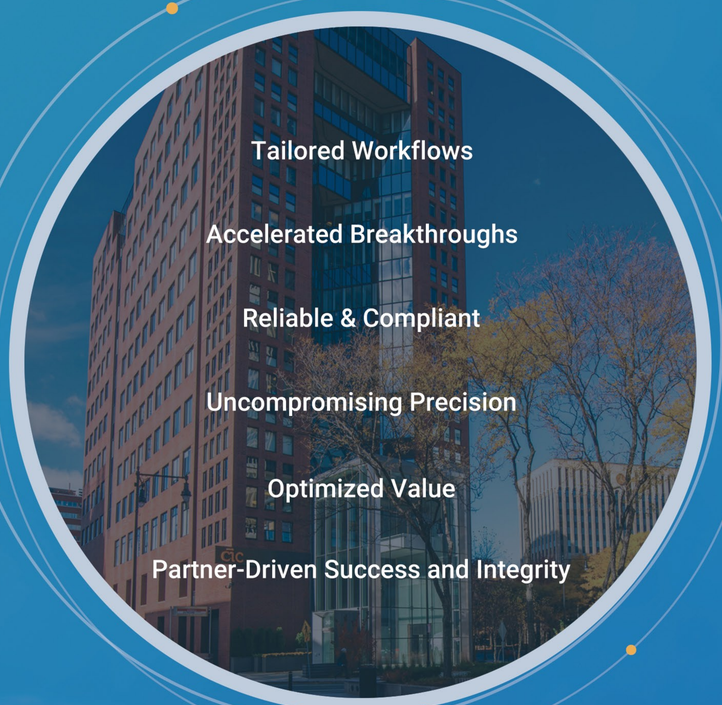
VELSSON
AN INNOVEL COMPANY

avantor ScienceCentral™ | ORDER ON avantorsciences.com



Tailored Workflows

Accelerated Breakthroughs

Reliable & Compliant

Uncompromising Precision

Optimized Value

Partner-Driven Success and Integrity

Phone: 1–800–932–5000

avantor ScienceCentral™ avantorsciences.com

Any prices, product, and/or services details are current when published and subject to change. Offers subject to product availability. Void where prohibited by law or company policy. Any claims concerning products manufactured by third parties are the sole claims of the manufacturer and not those of Avantor or its affiliates. All products are subject to the terms and conditions of sale of Avantor or its affiliates, including the applicable limitations of liability contained therein. The information herein should not be considered a warranty of any kind. Please carefully review any product information sheets and safety information for the product. Trademarks are owned by Avantor, Inc. or its affiliates, unless otherwise noted. | Visit **vwr.com avantorsciences.com** to view our privacy policy and additional disclaimers. © 2025 Avantor, Inc. All rights reserved.

VELSSON
AN INNOVEL COMPANY

avantor ScienceCentral™ | ORDER ON avantorsciences.com

INNOSHAKER™ PLANET

Manual Shaker Incubator

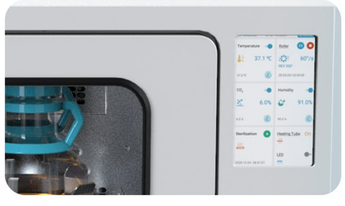
Characteristics

01

Exquisite appearance, integrated design with large arcs, simple and rounded.

02

7-Inch LCD display for convenient operations, settings and alarm information reading.

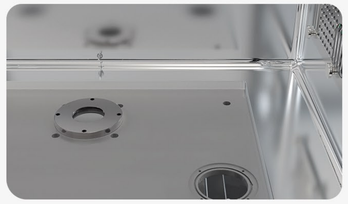


03

Flexibly used in single layer or multi-layer stacking.

04

Waterproof-designed cabinet in case of liquid spilling, could be directly drained and cleaned.

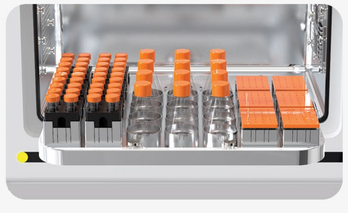


05

Versatile and suitable for a variety of culture vessels, including flasks, tubes and deep well plates and so on.

06

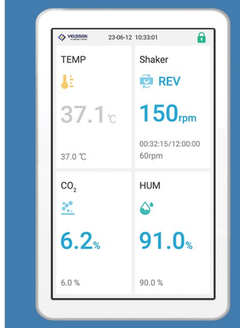
Equipped with an independent slide that can be retracted to easily pick up and place samples.



Note: All moving parts designed with automatically interlocking mechanisms to ensure user safety, including shaker, carried slide, outer door, temperature controller, humidity controller, gas controller.

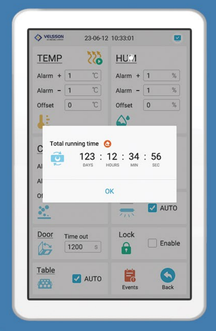
07

Safety design to make sure the shaker automatically stops when the door is open, and runs automatically when it is closed.



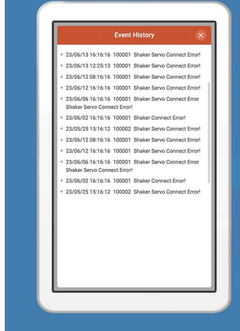
08

Automatically restoring the current culture process after restarting from a power outage.



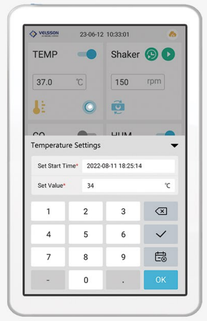
09

SMS reminder of host computer optional for timely response to any abnormality.



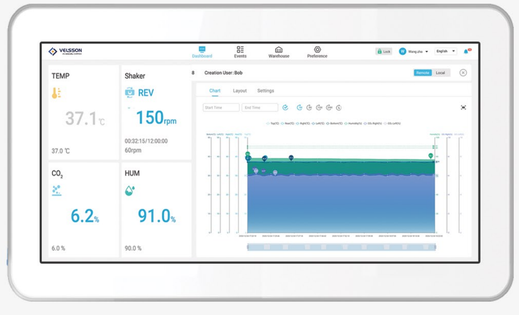
10

Regular temperature management according to the needs of biological processes.



11

It could be connected to the host computer and conduct real-time monitoring and recording of key parameters during the culture process and create charts which can be retrieved within one month.



Advantages

INNOSHAKER™ PLANET

Manual Shaker Incubator

INNOSHAKER™ is a manual shaker incubator designed for large-scale culture of CHO-S/K1/M, SF9, HEK293, bacteria, etc.

Internal temperature uniformity

- Independent air duct design, best simulating air circulation system

CO_2 Control

- CO_2 Accuracy of ±0.1%
- CO_2 Dual fail-safe to prevent abnormal leakage

Humidity control

- Independent atomizer humidification system, better ensuring the cleanness and precision of humidification compared with the method of water box evaporation in the cabinet

Versatile for a variety of culture vessels

- Suitable for flasks, tubes, deep well plates and other culture vessels
- Easy to replace the culture vessels

High space utilization

- Up to six 5L-flasks can be placed in the culture area

Amplitudes optional

- Amplitudes of 25mm and 50mm optional

High speed with low noise

- Maximum speed of 350rpm
- Automatically balanced drive system to ensure continuously smooth operation.

Manually operated door

- Push-up-to-open design, shortening the distance between the operator and the incubator, making it easier to access samples and facilitate internal cleaning

Operating systems

INNOSHAKER™ PLANET supports local and remote operating systems. The local is based on a touch screen user interface, and the remote on a browser user interface.

01

Local operating system

Multi-touch capacitive display, easy to operate with fingers, sensitively recognized whether wearing gloves or not. Friendly graphical interface design, simple and intuitive.

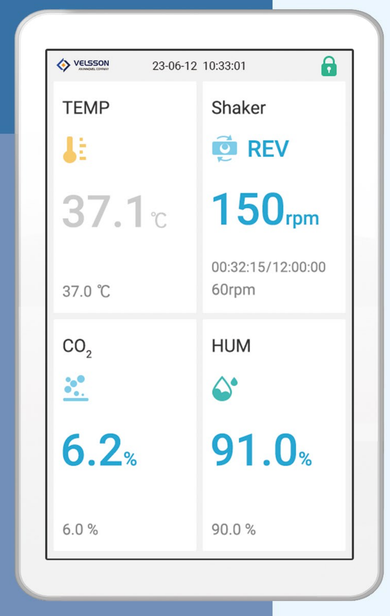
Comprehensive alarms

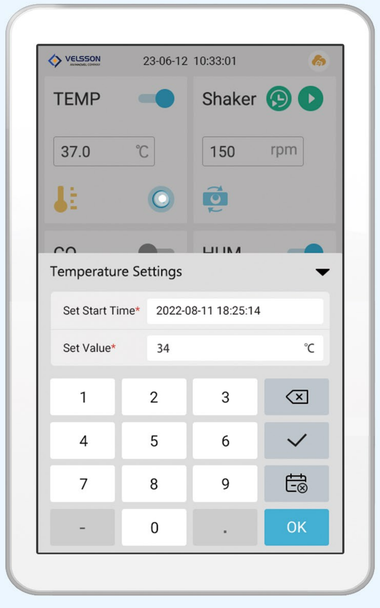
Over-temperature alarm, over-speed alarm, sensor failure alarm, timing alarm, door opening alarm, over-concentration/over-humidity alarm, and leakage alarm.

Data storage function

Alarm information query, scheduled data recording according to actual needs.

Note: The data traceability period depends on the system disk capacity.



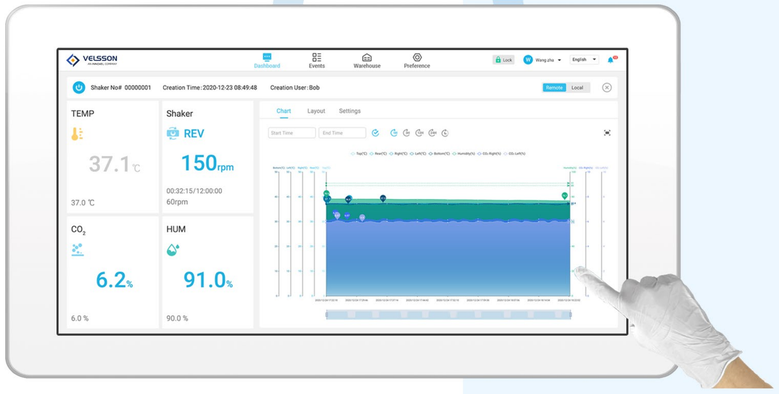


02

Remote operating system

Compatible with multiple mainstream browsers on PC, providing quick and intuitive access to all incubator data in the unified network.

Various types of user permissions can be authorized to realize remote control, alarm, and on-line viewing of practice logs, historical equipment performance, and data charts. It enables long-term data storage and easier data traceability. The software system can configure array incubators and monitor hundreds of incubators simultaneously, realizing one-step-away convenience between the user and the incubator.



Specifications

Model	200MSWC-1	200MSWC-2	200MSC	200MS
Number of layers	Single layer	Dual layers		
Temperature				
Refrigeration	Optional	Optional	Optional	Optional
Temperature Range	4～60℃	4～60℃	4～60℃	4～60℃
Setting Precision	0.1℃	0.1℃	0.1℃	0.1℃
Control Precision	±0.2℃ at 37℃	±0.2℃ at 37℃	±0.2℃ at 37℃	±0.2℃ at 37℃
Temperature Uniformity	±0.2℃ at 37℃	±0.2℃ at 37℃	±0.2℃ at 37℃	±0.2℃ at 37℃
Speed				
Amplitude Diameter	50mm	50mm	50mm	50mm
Speed Range	0～350rpm	0～350rpm	0～350rpm	0～350rpm
Setting Precision	1rpm	1rpm	1rpm	1rpm
Control Precision	≤±1rpm	≤±1rpm	≤±1rpm	≤±1rpm
CO_2				
Concentration Range	0～20%	0～20%	0～20%	NA
Setting Precision	0.1	0.1	0.1	NA
Control Precision	±0.1% at 37℃	±0.1% at 37℃	±0.1% at 37℃	NA
CO_2 Sensor	IR CO_2 Sensor	IR CO_2 Sensor	IR CO_2 Sensor	NA
Humidity				
Humidity Range	0～95%	0～95%	NA	NA
Setting Precision	1%	1%	NA	NA
Control Precision	±1% at 37℃	±1% at 37℃	NA	NA
Basic Specifications				
Maximum Load	22kg	22kg	22kg	22kg
Display	Color touchscreen	Color touchscreen	Color touchscreen	Color touchscreen
Material	8K Mirror stainless steel	8K Mirror stainless steel	8K Mirror stainless steel	8K Mirror stainless steel
Volume	290 L	290 L	290 L	290 L
External Dimensions (W*D*H)	1400*890*680mm	1400*890*680mm	1400*890*680mm	1400*890*680mm
External Dimensions (inch)	55*35*27	55*35*27	55*35*27	55*35*27
Platform Size (W*D)	850*545(mm)	850*545(mm)	850*545(mm)	850*545(mm)
Indoor Temperature Range	18～30℃	18～30℃	18～30℃	18～30℃
Power Supply	110/220V 50/60Hz	110/220V 50/60Hz	110/220V 50/60Hz	110/220V 50/60Hz
Maximum Allowance For Flask Capacity				
50mL Flask	MAX. 144 EA	MAX. 288 EA	MAX. 144 EA	MAX. 144 EA
250mL Flask	MAX. 54 EA	MAX. 108 EA	MAX. 54 EA	MAX. 54 EA
500mL Flask	MAX. 37 EA	MAX. 74 EA	MAX. 37 EA	MAX. 37 EA
1000mL Flask	MAX. 24 EA	MAX. 24 EA	MAX. 24 EA	MAX. 24 EA
3000mL Flask	MAX. 15 EA	MAX. 15 EA	MAX. 15 EA	MAX. 15 EA
5000mL Flask	MAX. 7 EA	MAX. 7 EA	MAX. 7 EA	MAX. 7 EA